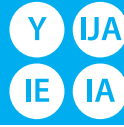




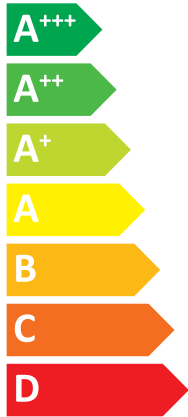
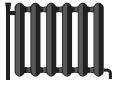
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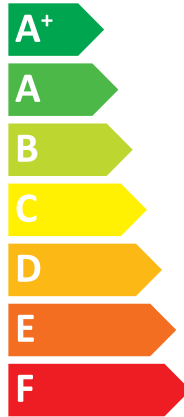


Indoor unit
Outdoor unit

E*ST30D-****D
PUZ-SWM140VAA



A++



A

41 dB

58 dB



- 14 kW
- 14 kW**
- 14 kW

2019

811/2013

DG79V341H26



PRODUCT FICHE

Mitsubishi Electric Erp Directive Related Product Information: erp.mitsubishielectric.eu/erp
Details and precautions on installation, maintenance and assembly can be found in the installation and/or operation manuals.
This information is based on EU regulation No 811/2013 and No 813/2013.

DG79A02MH01

Table 1: SPACE HEATER. Columns: Outdoor unit, Indoor unit, Medium-temperature application (3-25), For low-temperature application (4-25). Rows: PUZ-SWM60VAA, PUZ-SWM80VAA, PUZ-SWM80YAA, PUZ-SWM100VAA, PUZ-SWM100YAA, PUZ-SWM120VAA, PUZ-SWM120YAA, PUZ-SWM140VAA, PUZ-SWM140YAA, PUZ-SWM80VAA, PUZ-SWM80YAA, PUZ-SWM100VAA, PUZ-SWM100YAA, PUZ-SWM120VAA, PUZ-SWM120YAA, PUZ-SWM140VAA, PUZ-SWM140YAA.

Table 2: COMBINATION HEATER. Columns: Outdoor unit, Indoor unit, Medium-temperature application (3-25), For low-temperature application (4-25). Rows: PUZ-SWM60VAA, PUZ-SWM80VAA, PUZ-SWM80YAA, PUZ-SWM100VAA, PUZ-SWM100YAA, PUZ-SWM120VAA, PUZ-SWM120YAA, PUZ-SWM140VAA, PUZ-SWM140YAA, PUZ-SWM80VAA, PUZ-SWM80YAA, PUZ-SWM100VAA, PUZ-SWM100YAA, PUZ-SWM120VAA, PUZ-SWM120YAA, PUZ-SWM140VAA, PUZ-SWM140YAA.

English	German	French	Italian	Spanish
Nederlands	Svenska	Dansk	Portuguesa	Espanol
suomi	Cestina	Български	Polski	EMLynka
Outdoor unit	Außengerät	unité extérieure	unita esterna	unidad exterior
1	Utomhusenhet	Udenlands enhed	unidad exterior	Eskortimki hovoda
Ulkokeskus	Utomhusenhet	Внешний блок	repositorio zewnętrzna	unidad interior
Indoor unit	Innengerät	unité intérieure	unidad interior	Eskortimki hovoda
2	Sisäyksykki	Innengerät	unidad interior	Escortimki hovoda
3	Medium-temperatuur applicatie	Mitteltemperaturanwendung	repositorio wewnątrzna	unidad interior
3	Medium-temperatuur-toerusting	mitteltemperatuurapparatuur	le applicazon a media temperatura	le aplicacion de media temperatura
3	Keskilämpötilan sovellus	středněteplotní aplikace	zasobovavna w średnich temperaturach	le aplicacion de baja temperatura
4	Low-temperature application	Niedertemperaturanwendung	le applicazon a bassa temperatura	le aplicacion de baja temperatura
4	Madaltemperatuur-toerusting	laitemperatuurilaitaminen	a aplicazon a baixa temperatura	le aplicacion de baixa temperatura
4	Madaltemperatuur-sovellus	piikotektorin käyttö	zasobovavna w niskich temperaturach	le aplicacion de baixa temperatura
5	Deelgedeelte van de buiten-eenheid	Außerbauelement	Profil de source de chaleur	Perfil de carga de calor
5	Spreiden van de buiten-eenheid	Deklaart de buiten-eenheid	Profil de source de chaleur	Perfil de carga de calor
5	Ilmoitus kiinteistön osasta	Deklaart de buiten-eenheid	Profil de source de chaleur	Perfil de carga de calor
6	Seasonal space heating energy efficiency class	die Klasse für die jahreszeitbedingte Raumheizungs-Energieeffizienz	Ovčien tovarov profil	Perfil de carga de calor
6	de seizoen-gebonden energie-efficiëntieklasse voor ruimteverwarming	die Klasse für die jahreszeitbedingte Raumheizungs-Energieeffizienz	la classe d'efficacité énergétique saisonnière	la classe d'efficacité énergétique saisonnière
6	Ilmailmittiyksen kaudittainen energiatuokkuluokka	Ilmailmittiyksen kaudittainen energiatuokkuluokka	la classe d'efficacité énergétique saisonnière	la classe d'efficacité énergétique saisonnière
7	de energie-efficiëntieklasse voor waterverwarming	die Klasse für die Warmwasserbereitungs-Energieeffizienz	la classe d'efficacité énergétique saisonnière	la classe d'efficacité énergétique saisonnière
7	vedenilmittiyksen energiatuokkuluokka	die Klasse für die Warmwasserbereitungs-Energieeffizienz	la classe d'efficacité énergétique saisonnière	la classe d'efficacité énergétique saisonnière
8	Rated heat output under average climate conditions	die Wärmeleistung bei durchschnittlichen Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques moyennes	la potencia térmica nominal (en condiciones climáticas medias)
8	die nominale wärmeleistung (unter gemiddelde klimaatomstandigheden)	die Wärmeleistung bei durchschnittlichen Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques moyennes	la potencia térmica nominal (en condiciones climáticas medias)
8	Ilmailmittiysohje (keskimääräisissä ilmastio-olosuhteissa)	Ilmailmittiysohje (keskimääräisissä ilmastio-olosuhteissa)	la puissance thermique nominale dans les conditions climatiques moyennes	la potencia térmica nominal (en condiciones climáticas medias)
9	voor ruimteverwarming, het jaarlijkse energieverbruik (onder gemiddelde klimaatomstandigheden)	die Raumheizung, der jährliche Energieverbrauch bei mittleren Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques moyennes	la potencia térmica nominal (en condiciones climáticas medias)
9	Ilmailmittiysohje (keskimääräisissä ilmastio-olosuhteissa)	die Raumheizung, der jährliche Energieverbrauch bei mittleren Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques moyennes	la potencia térmica nominal (en condiciones climáticas medias)
10	voor waterverwarming, het jaarlijkse elektriciteitsverbruik (onder gemiddelde klimaatomstandigheden)	die Warmwasserbereitungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques moyennes	la potencia térmica nominal (en condiciones climáticas medias)
10	vedenilmittiysohje (keskimääräisissä ilmastio-olosuhteissa)	die Warmwasserbereitungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques moyennes	la potencia térmica nominal (en condiciones climáticas medias)
11	Seasonal space heating energy efficiency under average climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques moyennes	la potencia térmica nominal (en condiciones climáticas medias)
11	de seizoen-gebonden energie-efficiëntie voor ruimteverwarming (onder gemiddelde klimaatomstandigheden)	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques moyennes	la potencia térmica nominal (en condiciones climáticas medias)
11	Ilmailmittiyksen kaudittainen energiatuokkuluokka (keskimääräisissä ilmastio-olosuhteissa)	Ilmailmittiyksen kaudittainen energiatuokkuluokka (keskimääräisissä ilmastio-olosuhteissa)	la puissance thermique nominale dans les conditions climatiques moyennes	la potencia térmica nominal (en condiciones climáticas medias)
12	de energie-efficiëntie voor waterverwarming (onder gemiddelde klimaatomstandigheden)	die Warmwasserbereitungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques moyennes	la potencia térmica nominal (en condiciones climáticas medias)
12	vedenilmittiyksen energiatuokkuluokka (keskimääräisissä ilmastio-olosuhteissa)	die Warmwasserbereitungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques moyennes	la potencia térmica nominal (en condiciones climáticas medias)
13	Sound power level L _{WA, indoor}	der Schalleistungspegel L _{WA, in Gebäuden}	le niveau de puissance acoustique L _{WA, à l'intérieur}	el nivel de potencia acústica L _{WA, en interiores}
13	het geluidsemissieniveau L _{WA, binnen}	der Schalleistungspegel L _{WA, in Gebäuden}	le niveau de puissance acoustique L _{WA, à l'intérieur}	el nivel de potencia acústica L _{WA, en interiores}
14	Werk en/of ding, of: reek, focus	hadina akustického výkonu L _{WA, ve vnitřním prostoru}	l'élément de puissance acoustique L _{WA, en intérieur}	el nivel de potencia acústica L _{WA, en interiores}
14	Werk en/of ding, of: reek, focus	hadina akustického výkonu L _{WA, ve vnitřním prostoru}	l'élément de puissance acoustique L _{WA, en intérieur}	el nivel de potencia acústica L _{WA, en interiores}
14	Werk en/of ding, of: reek, focus	hadina akustického výkonu L _{WA, ve vnitřním prostoru}	l'élément de puissance acoustique L _{WA, en intérieur}	el nivel de potencia acústica L _{WA, en interiores}
15	toimittain annostaan kuluksittajien ulkopuolella	provoz mimo tělo spívků	trabajo fuera del cuerpo	la potencia acústica nominal en condiciones climáticas más altas
15	Rated heat output under colder climate conditions	die Wärmeleistung bei kaltem Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus froides	la potencia térmica nominal en condiciones climáticas más altas
15	die nominale wärmeleistung, onder kouder klimaatomstandigheden	die Wärmeleistung bei kaltem Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus froides	la potencia térmica nominal en condiciones climáticas más altas
16	Ilmailmittiysohje (keskimääräisissä ilmastio-olosuhteissa)	Ilmailmittiysohje (keskimääräisissä ilmastio-olosuhteissa)	la puissance thermique nominale dans les conditions climatiques plus froides	la potencia térmica nominal en condiciones climáticas más altas
16	Rated heat output under warmer climate conditions	die Wärmeleistung bei wärmeren Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus chaudes	la potencia térmica nominal en condiciones climáticas más altas
16	die nominale wärmeleistung, onder warmere klimaatomstandigheden	die Wärmeleistung bei wärmeren Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus chaudes	la potencia térmica nominal en condiciones climáticas más altas
17	voor ruimteverwarming, het jaarlijkse energieverbruik onder koudere klimaatomstandigheden	die Raumheizung, der jährliche Energieverbrauch bei kaltem Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus froides	la potencia térmica nominal en condiciones climáticas más altas
17	Ilmailmittiysohje (alimmalla ilmastio-olosuhteissa)	die Raumheizung, der jährliche Energieverbrauch bei kaltem Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus froides	la potencia térmica nominal en condiciones climáticas más altas
18	voor ruimteverwarming, het jaarlijkse energieverbruik onder warmere klimaatomstandigheden	die Raumheizung, der jährliche Energieverbrauch bei wärmeren Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus chaudes	la potencia térmica nominal en condiciones climáticas más altas
18	Ilmailmittiysohje (alimmalla ilmastio-olosuhteissa)	die Raumheizung, der jährliche Energieverbrauch bei wärmeren Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus chaudes	la potencia térmica nominal en condiciones climáticas más altas
19	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder koudere klimaatomstandigheden	die Warmwasserbereitungs-Energieeffizienz bei kaltem Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus froides	la potencia térmica nominal en condiciones climáticas más altas
19	vedenilmittiysohje (alimmalla ilmastio-olosuhteissa)	die Warmwasserbereitungs-Energieeffizienz bei kaltem Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus froides	la potencia térmica nominal en condiciones climáticas más altas
20	voor waterverwarming, het jaarlijkse elektriciteitsverbruik onder warmere klimaatomstandigheden	die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus chaudes	la potencia térmica nominal en condiciones climáticas más altas
20	vedenilmittiysohje (alimmalla ilmastio-olosuhteissa)	die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus chaudes	la potencia térmica nominal en condiciones climáticas más altas
21	Seasonal space heating energy efficiency under colder climate conditions	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei kaltem Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus froides	la potencia térmica nominal en condiciones climáticas más altas
21	de seizoen-gebonden energie-efficiëntie voor ruimteverwarming onder koudere klimaatomstandigheden	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei kaltem Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus froides	la potencia térmica nominal en condiciones climáticas más altas
21	Ilmailmittiyksen kaudittainen energiatuokkuluokka (keskimääräisissä ilmastio-olosuhteissa)	Ilmailmittiyksen kaudittainen energiatuokkuluokka (keskimääräisissä ilmastio-olosuhteissa)	la puissance thermique nominale dans les conditions climatiques plus froides	la potencia térmica nominal en condiciones climáticas más altas
22	de seizoen-gebonden energie-efficiëntie voor ruimteverwarming onder warmere klimaatomstandigheden	die jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus chaudes	la potencia térmica nominal en condiciones climáticas más altas
22	Ilmailmittiyksen kaudittainen energiatuokkuluokka (keskimääräisissä ilmastio-olosuhteissa)	Ilmailmittiyksen kaudittainen energiatuokkuluokka (keskimääräisissä ilmastio-olosuhteissa)	la puissance thermique nominale dans les conditions climatiques plus chaudes	la potencia térmica nominal en condiciones climáticas más altas
23	de energie-efficiëntie voor waterverwarming onder kouder klimaatomstandigheden	die Warmwasserbereitungs-Energieeffizienz bei kaltem Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus froides	la potencia térmica nominal en condiciones climáticas más altas
23	vedenilmittiyksen energiatuokkuluokka (keskimääräisissä ilmastio-olosuhteissa)	die Warmwasserbereitungs-Energieeffizienz bei kaltem Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus froides	la potencia térmica nominal en condiciones climáticas más altas
24	de energie-efficiëntie voor waterverwarming onder warmere klimaatomstandigheden	die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus chaudes	la potencia térmica nominal en condiciones climáticas más altas
24	vedenilmittiyksen energiatuokkuluokka (keskimääräisissä ilmastio-olosuhteissa)	die Warmwasserbereitungs-Energieeffizienz bei wärmeren Klimaverhältnissen	la puissance thermique nominale dans les conditions climatiques plus chaudes	la potencia térmica nominal en condiciones climáticas más altas
25	Sound power level L _{WA, outdoor}	der Schalleistungspegel L _{WA, im Freien}	le niveau de puissance acoustique L _{WA, à l'extérieur}	el nivel de potencia acústica L _{WA, en exteriores}
25	het geluidsemissieniveau L _{WA, buiten}	der Schalleistungspegel L _{WA, im Freien}	le niveau de puissance acoustique L _{WA, à l'extérieur}	el nivel de potencia acústica L _{WA, en exteriores}
25	Ilmailmittiysohje (keskimääräisissä ilmastio-olosuhteissa)	der Schalleistungspegel L _{WA, im Freien}	le niveau de puissance acoustique L _{WA, à l'extérieur}	el nivel de potencia acústica L _{WA, en exteriores}

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	134	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	12.4	kW	Tj = - 7 ° C	COPd	1.98	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = + 2 ° C	COPd	3.40	-
Tj = + 2 ° C	Pdh	7.5	kW	Tj = + 7 ° C	COPd	4.61	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	6.28	-
Tj = + 7 ° C	Pdh	6.3	kW	Tj = bivalent temperature	COPd	1.98	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	1.75	-
Tj = +12 ° C	Pdh	3.9	kW	Operation limit temperature	TOL	-25	° C
Degradation co-efficient (**)	Cdh	0.98	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	12.4	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	11.0	kW	Rated heat output (*)	Psup	3.0	kW
Bivalent temperature	Tbiv	-7	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-10	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2640	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 58	dBA				
Annual energy consumption	Q _{HE}	8438	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	114	%	
Daily electricity consumption	Q _{elec}	7.320	kWh				
Annual electricity consumption	AEC	1610	kWh				

Contact details
 MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY
 Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvarı No:19 Yunusemre - Manisa, Turkey

The identification and signature of the person empowered to bind the supplier:

 Kenichi SAITO
 Manager, Quality Assurance Department
 TURKEY

· Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.
 · Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.
 (*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
 (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.
 (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	175	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	12.4	kW	Tj = - 7 ° C	COPd	2.70	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = + 2 ° C	COPd	4.51	-
Tj = + 2 ° C	Pdh	7.6	kW	Tj = + 7 ° C	COPd	5.91	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	7.03	-
Tj = + 7 ° C	Pdh	6.4	kW	Tj = bivalent temperature	COPd	2.70	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	2.40	-
Tj = +12 ° C	Pdh	4.1	kW	Operation limit temperature	TOL	-25	° C
Degradation co-efficient (**)	Cdh	0.97	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	12.4	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	11.0	kW	Rated heat output (*)	Psup	3.0	kW
Bivalent temperature	Tbiv	-7	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-10	° C	Power consumption in modes other than active mode			
Off mode				P _{OFF}	0.015	kW	
Thermostat-off mode				P _{TO}	0.015	kW	
Standby mode				P _{SB}	0.015	kW	
Crankcase heater mode				P _{CK}	0.000	kW	
Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2640	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 58	dBA				
Annual energy consumption	Q _{HE}	6483	kWh				

For heat pump combination heater:							
Declared load profile	XL			Water heating energy efficiency	η_{wh}	114	%
Daily electricity consumption	Q _{elec}	7.320	kWh				
Annual electricity consumption	AEC	1610	kWh				

Contact details

MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY

Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvari No:19 Yunusemre - Manisa, Turkey

The identification and signature of the person empowered to bind the supplier;

Kenichi SAITO

The signature is signed in the average climate / medium-temperature section.

Manager, Quality Assurance Department

TURKEY

· Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

· Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	104	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	8.5	kW	Tj = - 7 ° C	COPd	2.20	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = + 2 ° C	COPd	3.30	-
Tj = + 2 ° C	Pdh	5.2	kW	Tj = + 7 ° C	COPd	4.30	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	6.60	-
Tj = + 7 ° C	Pdh	4.4	kW	Tj = bivalent temperature	COPd	1.60	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	1.20	-
Tj = +12 ° C	Pdh	4.5	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.60	-
Degradation co-efficient (**)	Cdh	0.98	-	Operation limit temperature	TOL	-25	° C
Tj = bivalent temperature	Pdh	10.7	kW	Heating water operating limit temperature	WTOL	60	° C
Tj = operation limit temperature (***)	Pdh	8.0	kW	Supplementary heater			
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	10.5	kW	Rated heat output (*)	Psup	6.0	kW
Bivalent temperature	Tbiv	-13	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-22	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2640	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 58	dBA				
Annual energy consumption	Q _{HE}	12843	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	104	%	
Daily electricity consumption	Q _{elec}	7.980	kWh				
Annual electricity consumption	AEC		kWh				

Contact details

MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvarı No:19 Yunusemre - Manisa, Turkey

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Kenichi SAITO

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- (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.
- (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	132	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	8.5	kW	Tj = - 7 ° C	COPd	3.30	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 ° C	COPd	3.60	-
Tj = + 2 ° C	Pdh	5.2	kW	Tj = + 7 ° C	COPd	5.10	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	7.60	-
Tj = + 7 ° C	Pdh	4.6	kW	Tj = bivalent temperature	COPd	1.90	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	1.50	-
Tj = +12 ° C	Pdh	4.5	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.90	-
Degradation co-efficient (**)	Cdh	0.98	-	Operation limit temperature	TOL	-25	° C
Tj = bivalent temperature	Pdh	11.8	kW	Heating water operating limit temperature	WTOL	60	° C
Tj = operation limit temperature (***)	Pdh	9.2	kW	Supplementary heater			
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	11.4	kW	Rated heat output (*)	Psup	4.8	kW
Bivalent temperature	Tbiv	-16	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-22	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2640	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 58	dBA				
Annual energy consumption	Q _{HE}	10250	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	104	%	
Daily electricity consumption	Q _{elec}	7.980	kWh				
Annual electricity consumption	AEC	0	kWh				

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(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	150	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-	Tj = + 2 ° C	COPd	1.90	-
Tj = + 2 ° C	Pdh	14.0	kW	Tj = + 7 ° C	COPd	3.10	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = +12 ° C	COPd	5.40	-
Tj = + 7 ° C	Pdh	8.8	kW	Tj = bivalent temperature	COPd	1.90	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = operation limit temperature (***)	COPd	1.90	-
Tj = +12 ° C	Pdh	5.5	kW	Operation limit temperature	TOL	-25	° C
Degradation co-efficient (**)	Cdh	0.99	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	14.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	14.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	2	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	2	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2640	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 58	dBA				
Annual energy consumption	Q _{HE}	4893	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	130	%	
Daily electricity consumption	Q _{elec}	6.520	kWh				
Annual electricity consumption	AEC		kWh				

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 (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.
 (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	EHST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	219	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-	Tj = + 2 ° C	COPd	3.10	-
Tj = + 2 ° C	Pdh	14.0	kW	Tj = + 7 ° C	COPd	5.01	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = +12 ° C	COPd	7.01	-
Tj = + 7 ° C	Pdh	9.0	kW	Tj = bivalent temperature	COPd	3.10	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	3.10	-
Tj = +12 ° C	Pdh	5.1	kW	Operation limit temperature	TOL	-25	° C
Degradation co-efficient (**)	Cdh	0.98	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	14.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	14.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	2	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	2	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2640	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 58	dBA				
Annual energy consumption	Q _{HE}	3367	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	130	%	
Daily electricity consumption	Q _{elec}	6.520	kWh				
Annual electricity consumption	AEC	0	kWh				

Contact details

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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	135	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	12.4	kW	Tj = - 7 ° C	COPd	1.98	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = + 2 ° C	COPd	3.40	-
Tj = + 2 ° C	Pdh	7.5	kW	Tj = + 7 ° C	COPd	4.61	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	6.28	-
Tj = + 7 ° C	Pdh	6.3	kW	Tj = bivalent temperature	COPd	1.98	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	1.75	-
Tj = +12 ° C	Pdh	3.9	kW	Operation limit temperature	TOL	-25	° C
Degradation co-efficient (**)	Cdh	0.98	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	12.4	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	11.0	kW	Rated heat output (*)	Psup	3.0	kW
Bivalent temperature	Tbiv	-7	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-10	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2640	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 58	dBA				
Annual energy consumption	Q _{HE}	8383	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	114	%	
Daily electricity consumption	Q _{elec}	7.320	kWh				
Annual electricity consumption	AEC	1610	kWh				

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 (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.
 (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	177	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	12.4	kW	Tj = - 7 ° C	COPd	2.70	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = + 2 ° C	COPd	4.51	-
Tj = + 2 ° C	Pdh	7.6	kW	Tj = + 7 ° C	COPd	5.91	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	7.03	-
Tj = + 7 ° C	Pdh	6.4	kW	Tj = bivalent temperature	COPd	2.70	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	2.40	-
Tj = +12 ° C	Pdh	4.1	kW	Operation limit temperature	TOL	-25	° C
Degradation co-efficient (**)	Cdh	0.97	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	12.4	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	11.0	kW	Rated heat output (*)	Psup	3.0	kW
Bivalent temperature	Tbiv	-7	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-10	° C	Power consumption in modes other than active mode			
Off mode				P _{OFF}			
Thermostat-off mode				P _{TO}			
Standby mode				P _{SB}			
Crankcase heater mode				P _{CK}			

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2640	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 58	dBA				
Annual energy consumption	Q _{HE}	6428	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	114	%	
Daily electricity consumption	Q _{elec}	7.320	kWh				
Annual electricity consumption	AEC	1610	kWh				

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- (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	105	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	8.5	kW	Tj = - 7 ° C	COPd	2.20	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = + 2 ° C	COPd	3.30	-
Tj = + 2 ° C	Pdh	5.2	kW	Tj = + 7 ° C	COPd	4.30	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	6.60	-
Tj = + 7 ° C	Pdh	4.4	kW	Tj = bivalent temperature	COPd	1.60	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	1.20	-
Tj = +12 ° C	Pdh	4.5	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.60	-
Degradation co-efficient (**)	Cdh	0.98	-	Operation limit temperature	TOL	-25	° C
Tj = bivalent temperature	Pdh	10.7	kW	Heating water operating limit temperature	WTOL	60	° C
Tj = operation limit temperature (***)	Pdh	8.0	kW	Supplementary heater			
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	10.5	kW	Rated heat output (*)	Psup	6.0	kW
Bivalent temperature	Tbiv	-13	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-22	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2640	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 58	dBA				
Annual energy consumption	Q _{HE}	12810	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	104	%	
Daily electricity consumption	Q _{elec}	7.980	kWh				
Annual electricity consumption	AEC		kWh				

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- (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	132	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	8.5	kW	Tj = - 7 ° C	COPd	3.30	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 ° C	COPd	3.60	-
Tj = + 2 ° C	Pdh	5.2	kW	Tj = + 7 ° C	COPd	5.10	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	7.60	-
Tj = + 7 ° C	Pdh	4.6	kW	Tj = bivalent temperature	COPd	1.90	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	1.50	-
Tj = +12 ° C	Pdh	4.5	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.90	-
Degradation co-efficient (**)	Cdh	0.98	-	Operation limit temperature	TOL	-25	° C
Tj = bivalent temperature	Pdh	11.8	kW	Heating water operating limit temperature	WTOL	60	° C
Tj = operation limit temperature (***)	Pdh	9.2	kW	Supplementary heater			
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	11.4	kW	Rated heat output (*)	Psup	4.8	kW
Bivalent temperature	Tbiv	-16	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-22	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2640	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 58	dBA				
Annual energy consumption	Q _{HE}	10217	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	104	%	
Daily electricity consumption	Q _{elec}	7.980	kWh				
Annual electricity consumption	AEC	0	kWh				

Contact details

MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvarı No:19 Yunusemre - Manisa, Turkey

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Kenichi SAITO

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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	152	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-	Tj = + 2 ° C	COPd	1.90	-
Tj = + 2 ° C	Pdh	14.0	kW	Tj = + 7 ° C	COPd	3.10	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = +12 ° C	COPd	5.40	-
Tj = + 7 ° C	Pdh	8.8	kW	Tj = bivalent temperature	COPd	1.90	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = operation limit temperature (***)	COPd	1.90	-
Tj = +12 ° C	Pdh	5.5	kW	Operation limit temperature	TOL	-25	° C
Degradation co-efficient (**)	Cdh	0.99	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	14.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	14.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	2	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	2	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2640	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 58	dBA				
Annual energy consumption	Q _{HE}	4826	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	130	%	
Daily electricity consumption	Q _{elec}	6.520	kWh				
Annual electricity consumption	AEC		kWh				

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PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	ERST30D-****D
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		yes
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	224	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-	Tj = + 2 ° C	COPd	3.10	-
Tj = + 2 ° C	Pdh	14.0	kW	Tj = + 7 ° C	COPd	5.01	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = +12 ° C	COPd	7.01	-
Tj = + 7 ° C	Pdh	9.0	kW	Tj = bivalent temperature	COPd	3.10	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	3.10	-
Tj = +12 ° C	Pdh	5.1	kW	Operation limit temperature	TOL	-25	° C
Degradation co-efficient (**)	Cdh	0.98	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	14.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	14.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	2	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	2	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2640	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 58	dBA				
Annual energy consumption	Q _{HE}	3301	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	130	%	
Daily electricity consumption	Q _{elec}	6.520	kWh				
Annual electricity consumption	AEC	0	kWh				

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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

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PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

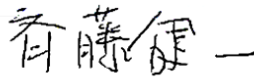
Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	134	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	12.4	kW	Tj = - 7 ° C	COPd	1.98	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = + 2 ° C	COPd	3.40	-
Tj = + 2 ° C	Pdh	7.5	kW	Tj = + 7 ° C	COPd	4.61	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	6.28	-
Tj = + 7 ° C	Pdh	6.3	kW	Tj = bivalent temperature	COPd	1.98	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	1.75	-
Tj = +12 ° C	Pdh	3.9	kW	Operation limit temperature	TOL	-25	° C
Degradation co-efficient (**)	Cdh	0.98	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	12.4	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	11.0	kW	Rated heat output (*)	Psup	3.0	kW
Bivalent temperature	Tbiv	-7	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-10	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable					2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	/ 58	dBA				
Annual energy consumption	Q _{HE}	8438	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	114	%	
Daily electricity consumption	Q _{elec}	7.320	kWh				
Annual electricity consumption	AEC	1610	kWh				

Contact details
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 (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.
 (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		average climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	175	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	12.4	kW	Tj = - 7 ° C	COPd	2.70	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = + 2 ° C	COPd	4.51	-
Tj = + 2 ° C	Pdh	7.6	kW	Tj = + 7 ° C	COPd	5.91	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	7.03	-
Tj = + 7 ° C	Pdh	6.4	kW	Tj = bivalent temperature	COPd	2.70	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	2.40	-
Tj = +12 ° C	Pdh	4.1	kW	Operation limit temperature	TOL	-25	° C
Degradation co-efficient (**)	Cdh	0.97	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	12.4	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	11.0	kW	Rated heat output (*)	Psup	3.0	kW
Bivalent temperature	Tbiv	-7	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-10	° C	Power consumption in modes other than active mode			
Off mode				P _{OFF}			
Thermostat-off mode				P _{TO}			
Standby mode				P _{SB}			
Crankcase heater mode				P _{CK}			

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2640	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 58	dBA				
Annual energy consumption	Q _{HE}	6483	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	114	%	
Daily electricity consumption	Q _{elec}	7.320	kWh				
Annual electricity consumption	AEC	1610	kWh				

Contact details

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- (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.
- (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	104	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	8.5	kW	Tj = - 7 ° C	COPd	2.20	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = + 2 ° C	COPd	3.30	-
Tj = + 2 ° C	Pdh	5.2	kW	Tj = + 7 ° C	COPd	4.30	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	6.60	-
Tj = + 7 ° C	Pdh	4.4	kW	Tj = bivalent temperature	COPd	1.60	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	1.20	-
Tj = +12 ° C	Pdh	4.5	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.60	-
Degradation co-efficient (**)	Cdh	0.98	-	Operation limit temperature	TOL	-25	° C
Tj = bivalent temperature	Pdh	10.7	kW	Heating water operating limit temperature	WTOL	60	° C
Tj = operation limit temperature (***)	Pdh	8.0	kW	Supplementary heater			
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	10.5	kW	Rated heat output (*)	Psup	6.0	kW
Bivalent temperature	Tbiv	-13	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-22	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2640	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 58	dBA				
Annual energy consumption	Q _{HE}	12843	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	104	%	
Daily electricity consumption	Q _{elec}	7.980	kWh				
Annual electricity consumption	AEC		kWh				

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(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		colder climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	132	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	8.5	kW	Tj = - 7 ° C	COPd	3.30	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = + 2 ° C	COPd	3.60	-
Tj = + 2 ° C	Pdh	5.2	kW	Tj = + 7 ° C	COPd	5.10	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = +12 ° C	COPd	7.60	-
Tj = + 7 ° C	Pdh	4.6	kW	Tj = bivalent temperature	COPd	1.90	-
Degradation co-efficient (**)	Cdh	0.98	-	Tj = operation limit temperature (***)	COPd	1.50	-
Tj = +12 ° C	Pdh	4.5	kW	Tj = - 15 ° C (if TOL < - 20 ° C)	COPd	1.90	-
Degradation co-efficient (**)	Cdh	0.98	-	Operation limit temperature	TOL	-25	° C
Tj = bivalent temperature	Pdh	11.8	kW	Heating water operating limit temperature	WTOL	60	° C
Tj = operation limit temperature (***)	Pdh	9.2	kW	Supplementary heater			
Tj = - 15 ° C (if TOL < - 20 ° C)	Pdh	11.4	kW	Rated heat output (*)	Psup	4.8	kW
Bivalent temperature	Tbiv	-16	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	-22	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2640	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 58	dBA				
Annual energy consumption	Q _{HE}	10250	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	104	%	
Daily electricity consumption	Q _{elec}	7.980	kWh				
Annual electricity consumption	AEC	0	kWh				

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(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.

(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		medium-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	150	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-	Tj = + 2 ° C	COPd	1.90	-
Tj = + 2 ° C	Pdh	14.0	kW	Tj = + 7 ° C	COPd	3.10	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = +12 ° C	COPd	5.40	-
Tj = + 7 ° C	Pdh	8.8	kW	Tj = bivalent temperature	COPd	1.90	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = operation limit temperature (***)	COPd	1.90	-
Tj = +12 ° C	Pdh	5.5	kW	Operation limit temperature	TOL	-25	° C
Degradation co-efficient (**)	Cdh	0.99	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	14.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	14.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	2	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	2	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items				Rated air flow rate, outdoors			
Capacity control	variable			-	2640	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	/ 58	dBA				
Annual energy consumption	Q _{HE}	4893	kWh				

For heat pump combination heater:				Water heating energy efficiency			
Declared load profile	XL			η_{wh}	130	%	
Daily electricity consumption	Q _{elec}	6.520	kWh				
Annual electricity consumption	AEC		kWh				

Contact details
 MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS MANUFACTURING TURKEY JOINT STOCK COMPANY Manisa OSB 4.Kisim Kecilikoyosb Mah. Ahmet Nazif Zorlu Bulvarı No:19 Yunusemre - Manisa, Turkey

The identification and signature of the person empowered to bind the supplier;
 Kenichi SAITO
 The signature is signed in the average climate / medium-temperature section. Manager, Quality Assurance Department
 TURKEY

- Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.
 - Details and precautions on recycling and/or disposal at end-of-life can be found in the installation and or operation manuals.
- (*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).
 (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0.9.
 (***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

PRODUCT INFORMATION / TECHNICAL DOCUMENTATION

Model(s):	Outdoor unit:	PUZ-SWM140VAA
	Indoor unit:	EHST30D-MED
Air-to-water heat pump:		yes
Water-to-water heat pump:		no
Brine-to-water heat pump:		no
Low-temperature heat pump:		no
Equipped with a supplementary heater:		no
Heat pump combination heater:		yes
Parameters for		low-temperature application.
Parameters for		warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	14.0	kW	Seasonal space heating energy efficiency	η_s	219	%
Declared capacity for heating for part load at indoor temperature 20 ° C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 ° C and outdoor temperature Tj			
Tj = - 7 ° C	Pdh	-	kW	Tj = - 7 ° C	COPd	-	-
Degradation co-efficient (**)	Cdh	-	-	Tj = + 2 ° C	COPd	3.10	-
Tj = + 2 ° C	Pdh	14.0	kW	Tj = + 7 ° C	COPd	5.01	-
Degradation co-efficient (**)	Cdh	1.00	-	Tj = +12 ° C	COPd	7.01	-
Tj = + 7 ° C	Pdh	9.0	kW	Tj = bivalent temperature	COPd	3.10	-
Degradation co-efficient (**)	Cdh	0.99	-	Tj = operation limit temperature (***)	COPd	3.10	-
Tj = +12 ° C	Pdh	5.1	kW	Operation limit temperature	TOL	-25	° C
Degradation co-efficient (**)	Cdh	0.98	-	Heating water operating limit temperature	WTOL	60	° C
Tj = bivalent temperature	Pdh	14.0	kW	Supplementary heater			
Tj = operation limit temperature (***)	Pdh	14.0	kW	Rated heat output (*)	Psup	0.0	kW
Bivalent temperature	Tbiv	2	° C	Type of energy input	Electrical		
Reference design conditions for space heating	Tdesignh	2	° C				
Power consumption in modes other than active mode							
Off mode	P _{OFF}	0.015	kW				
Thermostat-off mode	P _{TO}	0.015	kW				
Standby mode	P _{SB}	0.015	kW				
Crankcase heater mode	P _{CK}	0.000	kW				

Other items

Capacity control	variable		Rated air flow rate, outdoors	-	2640	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	/ 58	dBA			
Annual energy consumption	Q _{HE}	3367	kWh			

For heat pump combination heater:

Declared load profile	XL		Water heating energy efficiency	η_{wh}	130	%
Daily electricity consumption	Q _{elec}	6.520	kWh			
Annual electricity consumption	AEC	0	kWh			

Contact details

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(***) If the declared TOL is lower than the T designh of the considered climate then the outdoor dry bulb temperature Tj is equal to T designh.

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